



Amendments to the Specification:

Please replace paragraph [0064] with the following rewritten paragraph:

[0064] In this refinement of the monitoring unit 600, the measurement unit 610 is driven by the control unit 630 which, in particular, initiates and adjusts the compensation for the crosstalk when switching on (in the power-up phase) and permanently stores in the register 640 those control signals St1 to St3 which have been determined to be suitable. The measurement unit 610 then just calls up the control signals which are stored by the control unit 630 in the register 640.

633 If the signal conditioning unit 220 can be driven digitally, there is no need for the digital/analog converter unit 650, so that the register 640 and the control unit or the state machine 630 are then connected directly to the two outputs A600a and A600b of the monitoring unit 600.

Applicants believe that this change to the specification does not comprise new matter.